

Title (en)
Method and apparatus for gathering vehicle information

Title (de)
Verfahren und Vorrichtung zum Sammeln von Fahrzeuginformation

Title (fr)
Procédé et appareil de collecte d'information d'un véhicule

Publication
EP 1081670 A3 20021127 (EN)

Application
EP 00307462 A 20000830

Priority
JP 24520399 A 19990831

Abstract (en)
[origin: EP1081670A2] A central vehicle-information management center gathers individual pieces of information on the state of a vehicle on a real-time manner by: acquiring and gathering pieces of information on the position of the vehicle from a reflection signal reflected by an artificial satellite as a result of reflection of a position signal transmitted by an antenna provided on the vehicle to the artificial satellite; and acquiring and gathering a signal reflected by the artificial satellite as a result of reflection of a signal used for representing information on control of the vehicle or information on conditions of vehicle parts and transmitted from the antenna to the artificial satellite or transmitted by the vehicle through a wireless-communication apparatus such as a DSRC (Dedicated Short Range Communication) device or a cellular phone. As a result, with such a central vehicle-information management center, it is possible to provide a method and an apparatus, which can be used for gathering information on a vehicle and capable of continuously collecting detailed information on the present state of a vehicle with a high degree of reliability and in a real-time manner. <IMAGE>

IPC 1-7
G08G 1/127; **G07C 5/00**

IPC 8 full level
G01S 5/00 (2006.01); **G01S 5/02** (2010.01); **G06F 17/40** (2006.01); **G06Q 50/00** (2006.01); **G07C 5/00** (2006.01); **G08G 1/09** (2006.01); **G08G 1/123** (2006.01); **H04B 7/15** (2006.01); **H04B 7/185** (2006.01)

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Citation (search report)

- [XY] US 5781871 A 19980714 - MEZGER MANFRED [DE], et al
- [Y] WO 9713208 A1 19970410 - SCIENTIFIC ATLANTA [US], et al
- [X] US 5919239 A 19990706 - FRAKER WILLIAM F [US], et al
- [X] EP 0890937 A2 19990113 - BOSCH GMBH ROBERT [DE]
- [X] GB 2288892 A 19951101 - OAKRANGE ENGINEERING LTD [GB]

Cited by
US7778746B2; AT507033B1; EP1255101A3; CN100378712C; EP1229320A3; EP1484898A1; FR2855925A1; EP2175334A3; RU2662401C2; EP1345191A1; CN102982588A; GB2388666A; DE10319493B4; GB2388666B; CN103002002A; DE102019108065A1; GB2406998A; GB2406998B; CN102568209A; EP1349117A3; US11694155B1; WO2019096641A1; WO03073394A3; WO2004092857A3; WO02089077A1; WO02089030A1; WO03077205A3; EP2159122A2; US7228125B2; US7493112B2; US6928344B2; US7092803B2; US7236862B2; WO03081538A3; US8788301B1; US9830664B1; US10839461B1; US11270387B1; US11880886B2

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